Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/28/2018 09:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126519	1	2.24	126529	2.22
Blue	F	SSC	125000	124135	-1	2.10	124882	2.11
Blue	E	FITC	15760	15382	-3	3.04	333	22.52
Blue	D	PE	25880	25288	-3	2.10	550	17.44
Blue	B	PerCP-Cy5-5	34075	34182	0	4.31	1045	23.15
Blue	A	PE-Cy7	22776	23157	1	7.57	561	46.08
Red	C	APC	42488	41610	-3	2.71	1567	13.10
Red	A	APC-Cy7	24478	24154	-2	2.87	829	13.11
Violet	B	V450	6304	6086	-4	4.32	339	18.33
Violet	A	V500	26005	24713	-5	3.85	580	13.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21132	10.28	612	15	N/A	N/A	Pass
Blue	F	SSC	56282	1.52	580	25	N/A	N/A	Pass
Blue	E	FITC	57	75.94	564	8	0.0157	205	Pass
Blue	D	PE	113	58.57	558	9	0.1098	245	Pass
Blue	B	PerCP-Cy5-5	196	56.13	659	12	0.0070	60	Pass
Blue	A	PE-Cy7	108	115.53	713	16	0.0087	28	Pass
Red	C	APC	369	27.56	601	1	0.0208	129	Pass
Red	A	APC-Cy7	203	28.45	573	2	0.0045	736	Pass
Violet	B	V450	54	84.35	501	12	0.0250	2274	Pass
Violet	A	V500	85	46.73	517	11	0.0114	854	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.59	-31.01	0.93
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	16.90	13.60 - 20.40	N/A	N/A	30.72	31.41	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12299

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments